

In the past two years we have eradicated the ticks and released from quarantine the counties of Halifax, Nash, Lee, Richmond, and Wilson.

Hog Cholera.—During the past two years we have manufactured 16,000 doses of serum and have vaccinated 16,000 hogs. Of this number of hogs we have saved 95 per cent, or 15,000, from developing cholera. Estimating these hogs at \$5 per head, which is conservative, means we have saved the farmers \$75,000.

Our serum plant is being operated to its full capacity, and we are not able to supply the demand of the State.

The annual loss from this disease is, at least, \$1,000,000.

Live Stock.—The Department now has in the hands of the farmers of the State for the improvement of their live stock, thirteen pure-bred (Shorthorn, Angus, and Hereford) beef bulls, and five pure-bred (Guernsey and Jersey) dairy bulls. From all these bulls come splendid reports. The calves from these have been estimated by the farmers in these localities to be worth 50 per cent more than the calves by bulls formerly used.

HON. W. A. GRAHAM,
Commissioner of Agriculture,
Raleigh, N. C.

DEAR SIR:—I take pleasure in submitting herewith a biennial report of the work done by the Dairy Division from December 1, 1910, to December 1, 1912, inclusive.

Respectfully submitted,
W. H. EATON,
Dairyman.

RALEIGH, November 30, 1912.

Herd Record Work.—Herd records have been kept on approximately two hundred farms in the following counties: Henderson, Cleveland, Gaston, Forsyth, Catawba, Caldwell, Anson, Lincoln, Pender, and Wake. Through this record work we have been assisting the farmer in locating his boarding cow and have advised him along the line of economical dairy feeding.

Silo Work.—Assistance has been rendered in the construction of 69 silos. These silos have been constructed of staves, brick, reinforced concrete, concrete block, and expanded metal lath material. These silos are meeting with favor in the eastern piedmont and mountain sections of the State.

Barns and Milk Houses.—Assistance has been rendered in the construction of six model, sanitary dairy barns. Blue-prints and specifications of barns, milk houses, and creameries are in this office for free distribution, and a number of the farmers have availed themselves of these plans.